

Scaled data based on original data using  
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State  
Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: METALUX

Report Number: P#

Luminaire Tested: **4SRL-LD5-47SL-LW-UNV-L850-CD1-U**

Issue Date: 3/3/2020



**Test Information**

Test Method: LM-79-08  
Report Number: P#  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P35653)  
Test Lab: INNOVATION CENTER-P3  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 4SRL-LD5-47SL-LW-UNV-L850-CD1-U  
Description: SRL LINEAR LED

Light Source: -  
Ballast/Driver: -

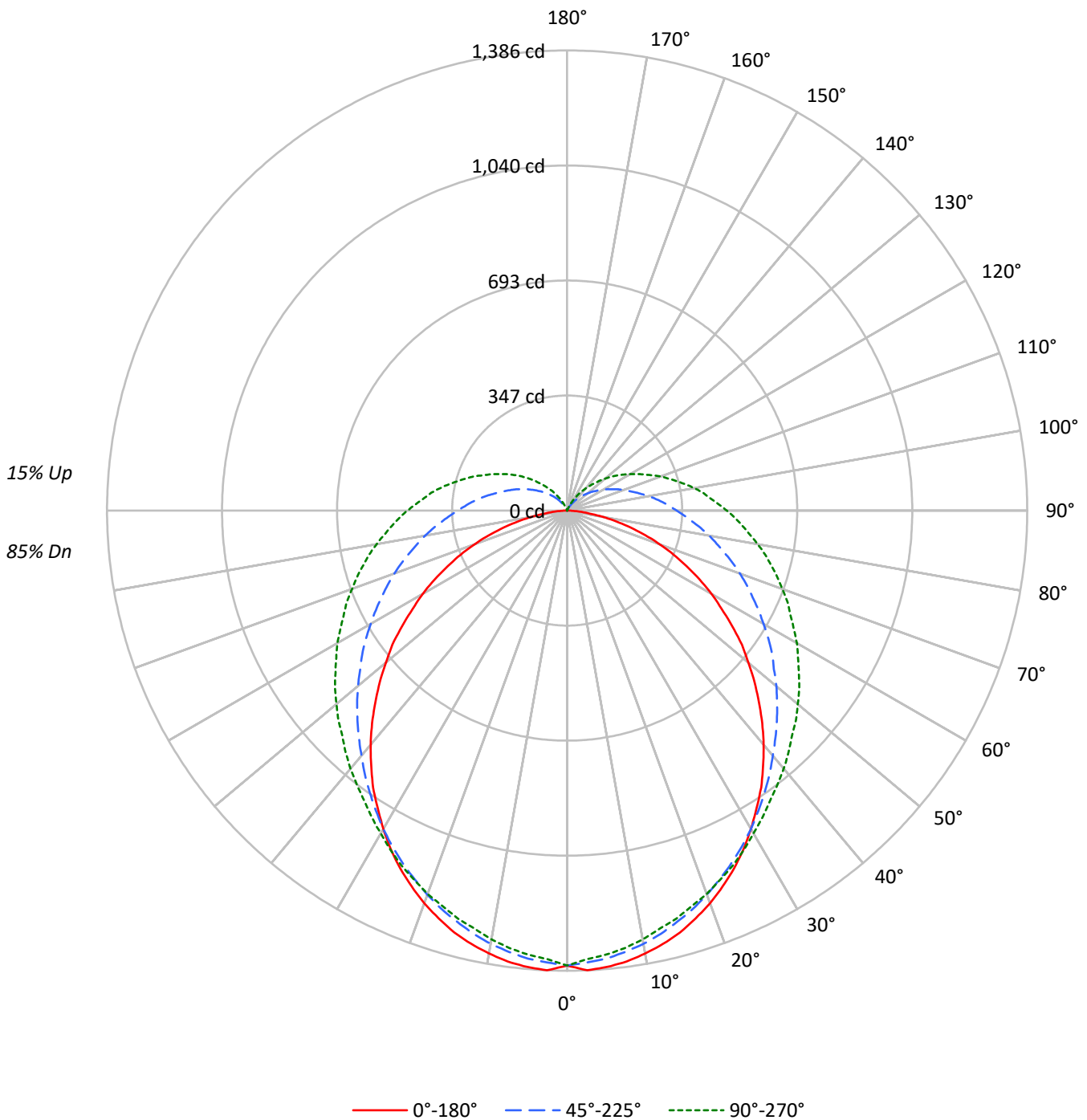
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5272.0 lumens  
Efficiency: N/A  
Efficacy: 132.1 lumens/watt  
Spacing Criteria (0/90/45): 1.2 / 1.23 / 1.36  
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 3.67' x H: 0.17')  
CIE Type: Semi-Direct

Input Watts (W): 39.9  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT

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### Luminous Intensity Polar Plot





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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20				20				20				20				20			
RC	80				70				50				30				10	0		
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50	30	10	0
RCR																				
0	116	116	116	116	111	111	111	111	103	103	103		95	95	95		88	88	88	85
1	103	97	92	87	98	93	88	84	86	82	79		80	76	74		74	71	69	66
2	92	83	75	69	88	80	73	67	74	68	63		68	64	59		63	59	56	53
3	84	72	63	56	80	70	61	55	64	58	52		60	54	49		55	51	47	44
4	76	64	54	47	73	61	53	46	57	50	44		53	47	42		49	44	40	37
5	70	57	47	40	67	55	46	39	51	43	38		47	41	36		44	38	34	32
6	65	51	42	35	62	49	40	34	46	38	33		43	36	31		40	34	30	27
7	60	46	37	31	57	44	36	30	42	34	29		39	32	28		36	31	26	24
8	56	42	33	27	53	41	32	27	38	31	26		36	29	25		33	28	24	21
9	52	38	30	24	50	37	29	24	35	28	23		33	27	22		31	25	21	19
10	49	35	27	22	47	34	27	22	32	25	21		30	24	20		29	23	19	17

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	16089	16089	16089
5°	16202	15292	14955
10°	16022	14510	13991
15°	15796	13731	13120
20°	15468	12998	12358
25°	15093	12296	11661
30°	14627	11630	10993
35°	14154	10985	10417
40°	13595	10386	9976
45°	12971	9865	9545
50°	12349	9390	9232
55°	11661	8977	8935
60°	10940	8569	8709
65°	10038	8234	8485
70°	9046	7974	8354
75°	7692	7734	8272
80°	5806	7608	8246
85°	3307	7556	8284



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	128.9	2.4
10°-20°	363.8	6.9
20°-30°	543.4	10.3
30°-40°	651.2	12.4
40°-50°	688.9	13.1
50°-60°	665.3	12.6
60°-70°	591.8	11.2
70°-80°	486.6	9.2
80°-90°	372.1	7.1
90°-100°	279.8	5.3
100°-110°	204.2	3.9
110°-120°	139.9	2.7
120°-130°	87.3	1.7
130°-140°	46.6	0.9
140°-150°	18.7	0.4
150°-160°	3.6	0.1
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	1036.1	19.7
0°-40°	1687.3	32.0
0°-60°	3041.5	57.7
0°-90°	4491.9	85.2
90°-120°	623.9	11.8
90°-150°	776.5	14.7
90°-180°	780.0	14.8
0°-180°	5272.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1370	1370	1370	1370	1370	
5°	1380	1372	1354	1352	1343	131
15°	1315	1302	1282	1282	1272	370
25°	1190	1178	1172	1186	1180	547
35°	1019	1015	1036	1066	1066	636
45°	817	840	893	944	958	631
55°	607	662	754	828	852	543
65°	396	487	616	713	742	394
75°	198	328	491	603	636	211
85°	37	202	379	493	530	45
90°	0	155	330	444	481	2
95°	0	120	289	398	432	0
105°	0	75	212	310	342	0
115°	0	45	151	234	257	0
125°	0	28	102	165	184	0
135°	0	14	63	104	116	0
145°	0	4	28	53	61	0
155°	0	0	4	14	14	1
165°	0	0	0	0	0	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	0



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CATALOG NUMBER: 4SRL-LD5-47SL-LW-UNV-L850-CD1-U

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1370.2	1370.2	1370.2	1370.2	1370.2
2.5°	1385.9	1378.0	1362.3	1360.4	1352.5
5°	1380.0	1372.2	1354.5	1352.5	1342.7
7.5°	1370.2	1360.4	1340.7	1338.8	1329.0
10°	1354.5	1344.7	1325.0	1323.1	1311.3
12.5°	1336.8	1327.0	1305.4	1303.4	1289.7
15°	1315.2	1301.5	1281.9	1281.9	1272.0
17.5°	1287.7	1276.0	1258.3	1260.3	1248.5
20°	1258.3	1246.5	1230.8	1236.7	1228.9
22.5°	1224.9	1211.2	1201.4	1209.2	1203.3
25°	1189.6	1177.8	1171.9	1185.7	1179.8
27.5°	1150.3	1138.6	1140.5	1154.3	1152.3
30°	1107.1	1099.3	1107.1	1124.8	1122.8
32.5°	1062.0	1058.1	1071.8	1095.4	1095.4
35°	1018.8	1014.9	1036.5	1065.9	1065.9
37.5°	969.7	971.7	1001.1	1034.5	1040.4
40°	920.7	928.5	963.8	1005.1	1014.9
42.5°	869.6	883.4	928.5	973.7	987.4
45°	816.6	840.2	893.2	944.2	958.0
47.5°	765.6	795.0	857.8	916.7	934.4
50°	712.6	747.9	822.5	887.3	906.9
52.5°	663.5	704.7	785.2	857.8	881.4
55°	606.6	661.5	753.8	828.4	852.0
57.5°	551.6	616.4	718.5	799.0	824.5
60°	502.5	571.2	683.1	771.5	799.0
62.5°	449.5	528.1	649.8	742.0	769.5
65°	396.5	486.8	616.4	712.6	742.0
67.5°	347.5	443.6	585.0	685.1	718.5
70°	296.4	404.4	553.6	657.6	689.0
72.5°	247.3	365.1	522.2	628.2	663.5
75°	198.3	327.8	490.8	602.6	636.0
77.5°	151.2	292.5	461.3	575.2	610.5
80°	108.0	259.1	433.8	547.7	583.0
82.5°	68.7	227.7	406.3	520.2	555.5
85°	37.3	202.2	378.9	492.7	530.0
87.5°	13.7	174.7	353.3	469.2	506.5
90°	0.0	155.1	329.8	443.6	480.9
92.5°	0.0	135.4	308.2	420.1	455.4
95°	0.0	119.7	288.6	398.5	431.9
97.5°	0.0	106.0	268.9	376.9	412.2
100°	0.0	94.2	249.3	353.3	388.7
102.5°	0.0	82.4	229.7	331.8	365.1
105°	0.0	74.6	212.0	310.2	341.6
107.5°	0.0	66.7	196.3	292.5	320.0
110°	0.0	58.9	180.6	270.9	300.3



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	53.0	166.9	253.2	276.8
115°	0.0	45.1	151.2	233.6	257.2
117.5°	0.0	41.2	139.4	215.9	237.5
120°	0.0	35.3	125.6	198.3	219.9
122.5°	0.0	31.4	113.9	180.6	202.2
125°	0.0	27.5	102.1	164.9	184.5
127.5°	0.0	23.6	92.3	149.2	166.9
130°	0.0	19.6	80.5	133.5	149.2
132.5°	0.0	15.7	70.7	117.8	133.5
135°	0.0	13.7	62.8	104.0	115.8
137.5°	0.0	9.8	53.0	90.3	102.1
140°	0.0	7.9	45.1	78.5	86.4
142.5°	0.0	5.9	35.3	64.8	74.6
145°	0.0	3.9	27.5	53.0	60.9
147.5°	0.0	2.0	19.6	43.2	47.1
150°	0.0	2.0	13.7	33.4	35.3
152.5°	0.0	0.0	9.8	23.6	23.6
155°	0.0	0.0	3.9	13.7	13.7
157.5°	2.0	0.0	2.0	5.9	5.9
160°	2.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)